pengabalphasem

SEARCH REQUEST FORM Scientific and Technical Information Center - EIC2800 Rev. 1/26/2006 This is an experimental format Please give suggestions or comments to Jeff Harrison, JEF-4B68, 22511.						
Date 32706 Serial # 09 739, 899 Priority Application Date WIGO						
Your Name Examiner # 73172						
AU 2622 Phone 272-1638 Room 5430						
In what format would you like your results? Paper is the default. PAPER DISK EMAIL						
If submitting more than one search request form, please prioritize the searches in order of need.						
Where have you searched so far on this case? Circle: USPT DWPI EPO Abs JPO Abs IBM TDB Other:						
What relevant art have you found so far? Please attach citations or Information Disclosure Statements.						
What types of references would you like? Please checkmark:						
Primary Refs Nonpatent Literature Teaching Refs Other						
Is this a "Fast & Focused Search" request? (Circle One) A "Fast & Focused Search" is completed in 2-3 hours (maximum). The search must be on a very specific topic and meet certain criteria. The criteria are posted in EIC2800 and on the STIC NPL Web Page at http://uspto-a-pattr-2/siraapps/stic/npl/nplsearch.htm						
What is the topic, such as the novelty, motivation, utility, or other specific facets defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, registry numbers, definitions, structures, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract and pertinent claims.						
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Searcher: Micchael Merick Structure (#) STN Searcher Phone: 571-272-2663 Bibliographic Searcher Location: STIC-EIC2800, IEF-4B68 Litigation Over Searcher Bioleck Up. 3/29/66						

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[File 2] INSPEC 1898-2006/Jan W2
[File 6] NTIS 1964-2006/Jan W4
[File 8] Ei Compendex(R) 1970-2006/Jan W4
[File 34] SciSearch(R) Cited Ref Sci 1990-2006/Jan W4
[File 434] SciSearch(R) Cited Ref Sci 1974-1989/Dec
[File 35] Dissertation Abs Online 1861-2006/Jan
[File 65] Inside Conferences 1993-2006/Jan W5
[File 94] JICST-EPlus 1985-2006/Nov W3
[File 144] Pascal 1973-2006/Jan W2
[File 23] CSA Technology Research Database 1963-2006/Jan
[File 103] Energy SciTec 1974-2006/Jan B1
[File 31] World Surface Coatings Abs 1976-2006/Jan
[File 95] TEME-Technology & Management 1989-2006/Jan W5
[File 68] Solid State & Superconductivity Abstracts 1966-2006/Jan
[File 60] ANTE: Abstracts in New Tech & Engineer 1966-2006/Jan
[File 293] Engineered Materials Abstracts 1966-2006/Jan
[File 239] Mathsci 1940-2005/Feb
[File 256] TECINFOSOURCE 82-2005/DEC
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Set Items Description

\$1 5415076 S SEMICONDUCTOR? ? OR SEMI()CONDUCTOR? ? OR PCB? ? OR TAB? ? OR

PRINT????()CIRCUIT()BOARD? ? OR CIRCUIT???()BOARD? ? OR LOAD()BOARD? ? OR LOADBOARD? ? OR LSI? ?

OR ASIC? ? OR ELECTRON???()DEVICE? ? OR PRINT???()CIRCUIT??? OR IC? ? OR INTEGRAT????()CIRCUIT???

OR CHIP? ? OR WAFER??? OR MICROCHIP? ? OR MICRO()CHIP? ? OR VLSI? ? OR FLEX?????(3N)CIRCUIT OR

FLEX?????? OR (LEAD? ? OR WIRE? ? OR WIRING OR LINE? ? OR TRAC????? OR

INTEGRAT?????)(3N)FLEX?????? OR ACTIVE????(2N)MATRI???? OR ACTIVE()MATRIX()LCD? ? OR AM()LCD? ?

OR AMLCD? ? OR ELECTROOPTIC???? OR ELECTRO()OPTIC????? OR LIQUID()CRYSTAL????()(DISPLAY???? OR

PANEL???? OR MATRI???? OR SCREEN?????) OR LIQUID(2N)DISPLAY??? OR FLAT()SCREEN()(DISPLAY???? OR

- S2 8838 S (PIXEL?????? OR PEL? ?)(3N)(MATRI???? OR CIRCUIT?????) OR PICTURE(3N)ELEMENT???
- S3 279935 S TFT? ? OR THIN()FILM()TRANSISTOR OR FET? ? OR FIELD()EFFECT()TRANSISTOR??????
- **s4** 1810565 S CAPACIT????? OR (STOR????? OR AUXIL???????) (3N) CAPACIT?????? OR CAPACIT?????() WIRING() LINE?

PANEL???? OR MATRI?????? OR SCREEN?????) OR LCM? ? OR LIQUID(3N)CRYSTAL?????

- **\$5** 477853 S (CHANNEL????? OR TRENCH?????? OR ETCH????? OR GROOV???? OR VIA? ? OR WELL????) (3N) (REGION???? OR AREA? ? OR SECTION???? OR SURFAC????? OR SECTOR???? OR PART???????) OR CHANNEL(3N) FORM???????
- 56 7369484 S WIRING OR WIRE OR FLEX????? OR FIBER?????? OR FIBRE? ? OR LEAD? ? OR LINE OR (WIRING OR WIRE OR FLEX???? OR LEAD? ?)(3N)(LINE? ? OR TRAC????)
- \$7 220561 S (INSULAT????? OR NON()CONDUCT???? OR DIELEC???? OR
 NONCONDUCT????)(3N)(LAYER????? OR FILM???? OR COAT???? OR COVER???? OR SHEET??? OR LAMINA????? OR
 OVERLAY?????? OR THICK????? OR COVERLAY OR COVER()LAYER???? OR FINISH????)
 \$8 32263 S IMPURIT?????(3N)(REGION????? OR AREA? ? OR SECTION???? OR SURFAC????? OR
 SECTOR???? OR PART???????)
- 59 23100 S GATE? ?(3N)(ELECTROD????? OR CATHOD????? OR ANOD????? OR CONDUCT????? OR PROB???? OR PLAT???? OR WIRING)
- S10
 0
 S
 S1
 AND
 S2
 AND
 S3
 AND
 S4
 AND
 S5
 AND
 S7
 AND
 S8
 AND
 S9

 S11
 5
 S
 S1
 AND
 S2
 AND
 S3
 AND
 S4
 AND
 S5
 S5
 AND
 S9
 AND
 S9
- **S12** 2 RD (unique items) **S13** 763 S S1 AND S2 AND S3
- 514 0 S S13 AND ((REDUC???? OR LOWER???? OR MINIMI???????? OR ELIMINAT??????? OR DECREAS?????)(3N)(OFFCURRENT OR OFF()CURRENT))
- **s15** 200 S S3 AND ((REDUC???? OR LOWER???? OR MINIMI???????? OR ELIMINAT??????? OR DECREAS??????) (3N) (OFFCURRENT OR OFF()CURRENT))

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0 S S15 AND S2
           41 S S15 AND S4
S17
        4 S S17 AND S5
1 RD (unique items)
S18
S19
           0 S S1 AND S2 AND S3 AND S8 AND S9
S20
           15 S S3 AND S8 AND S9
5 S S21 AND S4
S21
S22
            4 RD (unique items)
S23
     139243 S S4 AND ((IMPROV????? OR EFFICIEN??????? OR INCREAS????? OR INCREAS????? OR
MAXIMI????????? OR BETTER) (3N) (CAPACIT??????? OR STOR??????))
        0 S S24 AND S1 AND S2 AND S3
15220 S S24 AND S1
S25
S26
       7 S S26 AND S2
6 RD (unique items)
5 S S2 AND S3 AND S4 AND S5
2 RD (unique items)
S28
S29
S30
          568 S S1 AND S3 AND S4 AND S5
S31
           71 S S31 AND S6
0 S S32 AND S8
S32
                S S31 AND S6
S33
S34
           16 S S32 AND S9
           7 S S34 AND S7
1 RD (unique items)
S35
S36
           34 S S31 AND ((IMPROV????? OR EFFICIEN??????? OR INCREAS?????? OR
S37
MAXIMI????????? OR BETTER) (3N) (CAPACIT??????? OR STOR??????))
           O S S37 AND ((REDUC???? OR LOWER???? OR MINIMI???????? OR ELIMINAT??????? OR
DECREAS?????) (3N) (OFFCURRENT OR OFF()CURRENT))
               S S37 AND PY<=1998
           14 RD (unique items)
S40
S41
                S S36 NOT S19
           2 S S12 NOT (S19 OR S36)
S42
          4 S S23 NOT (S12 OR S19 OR S36)
6 S S28 NOT (S12 OR S19 OR S23 OR S36)
0 S S30 NOT (S12 OR S19 OR S23 OR S28 OR S36)
S43
S44
S45
          13 S S40 NOT (S12 OR S19 OR S23 OR S28 OR S36)
S46
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3/29/06 09/837877

(FILE 'HOME' ENTERED AT 14:03:28 ON 29 MAR 2006)

	FILE 'CAPL	US' ENTERED AT	г 14:03:	:36 ON 29 MAR 2006	
L1	21525	SEA ABB=ON F	PLU=ON	TFT OR THIN FILM TRANSISTOR	
L2	30412	SEA ABB=ON I	PLU=ON	PIXEL###### OR PEL OR PICTURE ELEMENT	
L3	564262	SEA ABB=ON E	PLU=ON	CAPACIT###### OR STOR##### (3A) CAPACIT######	
				•	
L4	1311	SEA ABB=ON F	PLU=ON	OFF CURRENT OR OFFCURRENT	
L5	46417	SEA ABB=ON F	PLU=ON	(IMPROV###### OR INCREAS###### OR BETTER	
	OR EFFICIEN#####) (3A) CAPACIT#######				
L6 ·	0	SEA ABB=ON F	PLU=ON	L1 AND L2 AND L3 AND L4 AND L5	
L7	12	SEA ABB=ON F	PLU=ON	L1 AND L2 AND L3 AND L4	
L8	. 5	SEA ABB=ON F	PLU=ON	L7 AND PY<=1998	
L9	45	SEA ABB=ON E	PLU=ON	L1 AND L2 AND L4	
L10	. 0	SEA ABB=ON F	PLU=ON	L9 AND L5	
L11	8784	SEA ABB=ON F	PLU=ON	CHANNEL (3A) REGION#####	
L12	8	SEA ABB=ON F	PLU=ON	L11 AND L9	
L13		SEA ABB=ON F		L12 AND PY<=1998	
L14	4672	SEA ABB=ON F	PLU=ON	IMPURIT####(3A)REGION	
L15	8	SEA ABB=ON F	PLU=ON	L14 AND L9	
L16	0	SEA ABB=ON F	PLU=ON	L15 AND PY<=1998	
		D L8 1-5 IBIE	B ABS		
FILE	'STNGUIDE'	ENTERED AT 14	4:12:00	ON 29 MAR 2006	
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[File 342] Derwent Patents Citation Indx 1978-05/200607

s pn=us 6362507

S1 1 S PN=US 6362507

map pn/ct=

SearchSave "SC354" stored
1 Select Statement, 4 Search Term(s)
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5 Select Statements, 45 Search Term(s)
SearchSave SC355

1 SearchSave(s), 45 Search Term(s)

[File 344] Chinese Patents Abs Jan 1985-2006/Jan [File 347] JAPIO Nov 1976-2005/Sep(Updated 060103) [File 350] Derwent WPIX 1963-2006/UD,UM &UP=200607

Set	Items	Description				
S1	20	S1:S4 FROM 344, 347, 350				
S2	0	S S1 AND PY<=1998				

[File 342] Derwent Patents Citation Indx 1978-05/200607

s pn=us 6424012

S1 1 S PN=US 6424012

map pn/ct=

SearchSave "SC356" stored
1 Select Statement, 6 Search Term(s)
SearchSave SC356

1 SearchSave(s), 6 Search Term(s)

map pn

SearchSave "SC357" stored
5 Select Statements, 46 Search Term(s)
SearchSave SC357

1 SearchSave(s), 46 Search Term(s)

[File 344] Chinese Patents Abs Jan 1985-2006/Jan [File 347] JAPIO Nov 1976-2005/Sep(Updated 060103) [File 350] Derwent WPIX 1963-2006/UD,UM &UP=200607

Set	Description	
S1	17	S1:S4 FROM 344, 347, 350
S2	. 0	S S1 AND PY<=1998

3/29/2006 12:34:30 PM 3/29/2006 1:07:12 PM

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[File 344] Chinese Patents Abs Jan 1985-2006/Jan
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- [File 347] JAPIO Nov 1976-2005/Sep(Updated 060103)
- [File 350] Derwent WPIX 1963-2006/UD, UM &UP=200607
- [File 371] French Patents 1961-2002/BOPI 200209

Set Items Description

\$1 2895047 S SEMICONDUCTOR? ? OR SEMI()CONDUCTOR? ? OR PCB? ? OR TAB? ? OR
PRINT????()CIRCUIT()BOARD? ? OR CIRCUIT???()BOARD? ? OR LOAD()BOARD? ? OR LOADBOARD? ? OR LSI? ?
OR ASIC? ? OR ELECTRON???()DEVICE? ? OR PRINT???()CIRCUIT??? OR IC? ? OR INTEGRAT????()CIRCUIT???
OR CHIP? ? OR WAFER??? OR MICROCHIP? ? OR MICRO()CHIP? ? OR VLSI? ? OR FLEX?????(3N)CIRCUIT OR
FLEX?????? OR (LEAD? ? OR WIRE? ? OR WIRING OR LINE? ? OR TRAC????? OR
INTEGRAT?????)(3N)FLEX?????? OR ACTIVE?????(2N)MATRI???? OR ACTIVE()MATRIX()LCD? ? OR AM()LCD? ?
OR AMLCD? ? OR ELECTROOPTIC???? OR ELECTRO()OPTIC????? OR LIQUID()CRYSTAL????()(DISPLAY???? OR
PANEL???? OR MATRI?????? OR SCREEN?????) OR LIQUID(2N)DISPLAY??? OR FLAT()SCREEN()(DISPLAY???? OR
PANEL???? OR MATRI??????? OR SCREEN?????) OR LCM? ? OR LIQUID(3N)CRYSTAL?????

- 52 57958 S (PIXEL?????? OR PEL? ?)(3N)(MATRI???? OR CIRCUIT?????) OR PICTURE(3N)ELEMENT???
 53 121507 S TFT? ? OR THIN()FILM()TRANSISTOR OR FET? ? OR FIELD()EFFECT()TRANSISTOR?????
- 54 761382 S CAPACIT????? OR (STOR????? OR AUXIL???????) (3N)CAPACIT?????? OR
 CAPACIT????()WIRING()LINE? ?
- **55** 419351 S (CHANNEL????? OR TRENCH?????? OR ETCH????? OR GROOV???? OR VIA? ? OR WELL?????) (3N) (REGION???? OR AREA? ? OR SECTION???? OR SURFAC????? OR SECTOR???? OR PART???????) OR CHANNEL(3N) FORM???????
- \$6 3762252 S WIRING OR WIRE OR FLEX????? OR FIBER?????? OR FIBRE? ? OR LEAD? ? OR LINE OR (WIRING OR WIRE OR FLEX???? OR LEAD? ?) (3N) (LINE? ? OR TRAC????)
- \$7 467672 S (INSULAT????? OR NON()CONDUCT???? OR DIELEC???? OR NONCONDUCT????) (3N) (LAYER????? OR FILM???? OR COAT???? OR COVER???? OR SHEET??? OR LAMINA????? OR OVERLAY?????? OR THICK????? OR COVERLAY OR COVER()LAYER???? OR FINISH????)
- **58** 32122 S IMPURIT?????(3N) (REGION????? OR AREA? ? OR SECTION???? OR SURFAC????? OR SECTOR???? OR PART???????)
- **59** 105960 S GATE? ?(3N)(ELECTROD????? OR CATHOD????? OR ANOD????? OR CONDUCT????? OR PROB???? OR PLAT???? OR WIRING)
- \$10 428633 S IC=(G02F-001 OR H01L-031/36 OR H01L-023/02 OR H01L-023/12 OR H01L-023/50 OR H01L-023/52 OR H01L-025/065 OR H01L-025/07 OR H01L-025/18 OR H01L-023/34 OR H05K-001/00 OR H05K-001/11 OR H05K-001/18 OR H05K-007/14)
- **S11** 71230 S MC=(U11-C05F5 OR U11-C18A1 OR U11-D01A6 OR U14-A03B4 OR U14-A10 OR V04-Q02A2 OR U11-D01A3 OR U11-E01C OR U14-A10 OR U14-H03C3 OR V04-Q05 OR V04-R05D OR V04-T01C)
- \$12 0 S S1 AND S2 AND S3 AND S4 AND S5 AND S6 AND S7 AND S8 AND S9
- \$13 57 S S1 AND S2 AND S3 AND S4 AND S5
- **S14** 28 S S13 AND S6
- **S15** 19 S S14 AND S7
- **S16** 1 S S15 AND S8
- **S19** 10 S S17 AND PY<=1998
- \$20 3 S S2 AND S3 AND S4 AND S5 AND S8 AND S9
- S21 3 S S13 AND ((IMPROV????? OR EFFICIEN???????? OR INCREAS????? OR INCREAS?????? OR MAXIMI?????????? OR BETTER)(3N)(CAPACIT??????? OR STOR??????))
- S22 5 S S13 AND ((REDUC???? OR LOWER???? OR MINIMI???????? OR ELIMINAT??????? OR DECREAS?????) (3N) (OFFCURRENT OR OFF()CURRENT))
- **S23** 852 S S2 AND S3 AND S4

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S S26 AND S8

S34

S35

S36 S37 S38

8 S S23 AND ((REDUC???? OR LOWER???? OR MINIMI???????? OR ELIMINAT???????? OR DECREAS?????) (3N) (OFFCURRENT OR OFF()CURRENT)) 5 S S24 AND PY<=1998 52 S S23 AND ((IMPROV????? OR EFFICIEN??????? OR INCREAS?????? OR S26 MAXIMI????????? OR BETTER) (3N) (CAPACIT??????? OR STOR??????)) S S26 AND S10 0 S S27 AND S11 S28 31 S S27 AND PY<=1998 **S29** S S20 NOT S16 S S21 NOT (S16 OR S20) **S30** S31 S32 4 S S22 NOT (S16 OR S20 OR S21) S S25 NOT (S16 OR S20 OR S21 OR S22) S S19 NOT (S16 OR S20 OR S21 OR S22 OR S25) **833** 1

3 S S26 AND S5 0 S S35 NOT (S16 OR S19 OR S20 OR S21 OR S22 OR S25) 0 S S36 NOT (S16 OR S19 OR S20 OR S21 OR S22 OR S25)